



Europäisches Patentamt European Patent Office Office européen des brevets

11 Publication number:

0 402 049

②

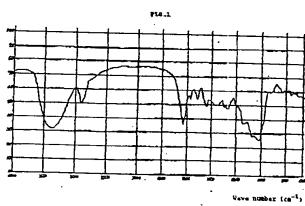
EUROPEAN PATENT APPLICATION

- 2) Application number: 90305944.2
- @ Date of filing: 31.05.90

(a) Int CLS C12P 19/18, C12P 19/18, C12P 19/14, C12P 19/60, C12P 19/44, C07H 17/07, A23L 1/30, A61K 7/00, A61K 31/71

- Priority: 03.06.89 JP 141902/89
- Date of publication of application:
 12.12.90 Bulletin 90/50
- Designated Contracting States:
 AT BE CH DE DK ES FR GB GR IT LI LU NL SE
- Applicant KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU KAGAKU KENKYUJO 2-3, 1-chome, Shimoishii.
 Okayama-shi Okayama(JP)
- inventor: Hijiya, Hiromi 90-2 Koyama Okayama-shi, Okayama(JP) Inventor: Miyake, Toshio 7-10-40S, 1-chome Okuda Okayama-shi, Okayama(JP)
- PAGE, WHITE & FARRER 54 Doughty Street London WC1N 2LS(GB)
- Alpha-Glycosyl hesperidin, and its preparation and uses.
- ② a-Glycosyl hasperidin, a novel hasperidin derivative wherein equimolar or more D-glucose residues are bound to hasperidin via the d-bond, is formed by a saccharide-transferring enzyme in a liquid containing hasperidin and a-glucosyl saccharide. The a-glycosyl hasperidin is easily recovered from the reaction mixture with a synthetic macroporous resin. a-Glycosyl hasperidin is superior in water-solubility, substantially tasteless and odorless, free of toxicity, and readily hydrolyzable in vivo into hasperidin and D-glucose to exhibit the physiological activity inherent to hosperidin. Thus, a-glycosyl hasperidin is tavorably usable in vitamin P-anriching agents, toods, beverages, tobaccos, foods, pet foods, pharmaceuticals for susceptive diseases, cosmetics and plastics.





Xerox Copy Centre